

1 st conference of the Tel Aviv University Center for Combatting Pandemics (TCCP) Tel Aviv University - Nature Museum, Wednesday, March 30, 2022	
08:30-09:00	Reception hall, registration and coffee
09:00-09:10	Opening statements: TAU President, TAU VP, Itai Benhar – Director of the TCCP
09:10-09:50	Auditorium, Plenary Lecture- Prof. Galia Rahav, Sheba Medical Center Covid-19: past, present and future
09:50-10:10	Reception hall, Coffee break
Session 1 Clinical aspects of COVID-19	Auditorium , Chair: Daniel Cohen, Faculty of Medicine, Tel Aviv University
10:15-10:35	Ori Elkayam, Tel Aviv Sourasky Medical Center COVID19 in patients with autoimmune inflammatory rheumatic diseases: prevalence and prevention
10:35-10:55	Shiran Shapira, Tel Aviv Sourasky Medical Center Covid-19: Promise in the Corona Age- the Road from an Idea to a Groundbreaking Reality
11:00-11:20	Daniel Cohen, Faculty of Medicine, Tel Aviv University Correlates of immune response and risk of reinfection with SARS-CoV-2 variants in recovered COVID-19 individuals
11:20-11:40	Daniel Nevo, Faculty of Exact Sciences, Tel Aviv University You can't always get what you want: estimating vaccine causal effects from observational data.
11:40-12:00	Khitam Muhsen, Faculty of Medicine, Tel Aviv University COVID-19 vaccines effectiveness among residents of long-term care facilities
12:00-12:20	Yftach Gepner, Faculty of Medicine, Tel Aviv University Safety assessment to a new vaccine - moving forward to objective evaluation
Session 2 Social aspects of COVID-19	Media Lab , Chair: Aeyal Gross, Faculty of Law, Tel Aviv University
10:15-10:35	Carmit Katz, Faculty of Social Sciences, Tel Aviv University Child maltreatment during COVID-19: International examination
11:00-11:20	Itzik Sasson, Faculty of Social Sciences, Tel Aviv University Demographic challenges and insights on COVID-19 mortality
11:20-11:40	Zehava Solomon, Faculty of Social Sciences, Tel Aviv University תגובות נפשיות לקורונה: תפקידן של טראומות קודמות
11:40-12:00	Aeyal Gross, Faculty of Law, Tel Aviv University "כמו חלום בלהה דיסטופי" - זכויות אדם ודמוקרטיה בצל משבר הקורונה בישראל והעולם
12:00-13:00	Lunch
Session 3 Biology of SARS-CoV-2	Auditorium , Chair: Adi Stern, Faculty of Life Sciences, Tel Aviv University

13:00-13:20	Jonny Gershoni, Faculty of Life Sciences, Tel Aviv University VaxEd - the real challenge
13:20-13:40	Natalia Freund, Faculty of Medicine, Tel Aviv University Antibody responses to SARS-CoV-2
13:40-14:00	Yariv Wine, Faculty of Life Sciences, Tel Aviv University The longitudinal kinetics of the antibody response in COVID-19 recovered patients
14:00-14:20	Ron Shamir, Faculty of Exact Sciences, Tel Aviv University Early prediction of deterioration in covid-19 inpatients
14:20-14:40	Adi Stern, Faculty of Life Sciences, Tel Aviv University The evolutionary fate of SARS-Coroanvirus-2 variants
	Post doc flash session
14:40-14:45	Keren Constantini, Faculty of Life Sciences, Tel Aviv University, post doc, Short-term effects of BNT162b2 mRNA COVID-19 vaccination on continuously measured physiological markers
14:45-14:50	Yair Daon, Faculty of Medicine, Tel Aviv University, post doc, Pooling strategies for PCR testing of SARS-CoV-2
14:50-14:55	Matan Ben Zion, Exact Sciences, Tel Aviv University, post doc, Towards Virion Sequestering Using Polymeric Multivalent Carriers
Session 4 Modeling COVID-19 spread	Media Lab , Chair: Dan Yamin, Faculty of Engineering, Tel Aviv University
13:00-13:20	Dan Yamin, Faculty of Engineering, Tel Aviv University A multi-layer model for the early detection of COVID-19
13:20-13:40	Eran Toch, Faculty of Engineering, Tel Aviv University How Mass surveillance Crowds Out Installations of COVID-19 Contact Tracing Applications
13:40-14:00	Itzhak Benenson, Faculty of Engineering, Tel Aviv University Spatially-explicit modeling of the SARS-CoV-2 transmission between population groups in Jerusalem
14:00-14:20	Irada Ben-Gal, Faculty of Engineering, Tel Aviv University Using Human Mobility Patterns and Socio-demographic data to analyze local spread of Covid19
14:20-14:40	Eran Yashiv, Faculty of Social Sciences, Tel Aviv University When to Lock, Not Whom: Managing Current and Future Epidemics Using Time-Based Restriction
14:40-15:00	Saharon Rosset, Faculty of Exact Sciences, Tel Aviv University Modeling SARS-CoV-2 mutational processes: predicting the next variant
15:00-15:20	Reception hall, Coffee break
Session 5 Virus detection and disinfection	Auditorium , Chair: Hadas Mamman Steindel, Faculty of Engineering, Tel Aviv University
15:20-15:40	Hadas Mamman Steindel, Faculty of Engineering, Tel Aviv University UV disinfection of corona virus: wavelength effect

15:40-16:00	Gili Bisker Faculty of Engineering, Tel Aviv University "Optical Nanosensors for Discriminative SARS-CoV-2 Viral Mutations for Rapid Diagnosis"
16:00-16:20	Raya Sorkin, Faculty of Exact Sciences, Tel Aviv University Unveiling coronavirus fusion, one vesicle at a time
16:20-16:40	Dor Salomon, Faculty of Medicine, Tel Aviv University A synthetically engineered platform for antibacterial bio-treatments
16:40-17:00	Alex Goldberg, Faculty of Exact Sciences, Tel Aviv University News from the sea: anti-covid19 compounds from seaweeds
17:00-17:20	Benny Da'Adoosh Computer-Assisted Drug Design Unit BLAVATNIK CENTER for Drug Discovery, Tel Aviv University Inhibition of TMPRSS2 binding to ACE2.
Session 6 Legal and Psychological Perspectives	Media Lab , Chair: Bruria Adini, Faculty of Medicine, Tel Aviv University
15:20-15:40	Moran Bodes, Faculty of Medicine, Tel Aviv University The Disaster Psychology of the COVID-19 Outbreak
15:40-16:00	Daphna Hacker, Faculty of Law, Tel Aviv University משבר הקורונה כהזדמנות לבחינה מחודשת של גבולות המשפחה המשפטיים
16:00-16:20	Yael Elster, Economics, University of Haifa Former post-doc at TAU School of Management, Agreements Must Be Kept? Residential Leases during COVID-19
16:20-16:40	Bruria Adini, Faculty of Medicine, Tel Aviv University Lessons learnt from the COVID-19 pandemic concerning Resilience: the Power of Us
16:40-17:00	Shoshana Shiloh, Faculty of Social Sciences, Tel Aviv University התמודדות עם מגפת הקורונה: פרספקטיבה פסיכולוגית
17:00-17:20	Udi Sommer, Faculty of Social Sciences, Tel Aviv University פוליטיקה וקורונה: היבטים התנהגותיים של הפוליטיקה של המגיפה
17:20-17:40	Reception hall, Coffee break
Session 7 Virus Biology and Bioinformatics	Auditorium , Chair: Noam Shomron, Faculty of Medicine, Tel Aviv University
17:40-18:00	Marcelo Ehrlich, Faculty of Life Sciences, Tel Aviv University Harnessing cell stress responses for antiviral therapy
18:00-18:20	Noam Shomron, Faculty of Social Sciences, Tel Aviv University Genomics aiding pandemic research
18:20-18:40	Ben Maoz, Faculty of Engineering, Tel Aviv University Effect of SARS-CoV-2 proteins on vascular permeability
18:40-19:00	Tal Pupko, Faculty of Life Sciences, Tel Aviv University Identifying type III effectors in pathogenic bacteria using machine-learning
19:00-19:20	Yoav Ram, Faculty of Life Sciences, Tel Aviv University Modeling and inferring the effect of behavior and interventions on COVID-19 dynamics

Session 8 Social of societal effects of COVID-19	Media Lab , Chair: Miri Yemini, Faculty of Humanities, Tel Aviv University
17:40-18:00	Miri Yemini, Faculty of Humanities, Tel Aviv University שימוש במרחבים אורבניים וביתיים בעת למידה והוראה מרחוק
18:00-18:20	Arnon HersHKovitz, Faculty of Humanities, Tel Aviv University המופע של שיא הרגש - מה חשוב למורים ולמרצים בשעת חירום?
18:20-18:40	Amir Teicher, Faculty of Humanities, Tel Aviv University מפיצי על (super-spreaders): היסטוריה מושגית, חברתית ופוליטית
18:40-19:00	Miri Shefer Mossensohn, Faculty of Humanities, Tel Aviv University לברוח או לא לברוח? תגובות למגיפות במזרח התיכון המוסלמי והשפעותיהן ארוכות הטווח
Closing remarks	Auditorium